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## MAY 3.

The President, Dr. RUSCHENBERGER, in the chair.

Thirty-four persons present.

Dr. Geo. A. Koenig was elected a member of the Council to fill the vacancy caused by the resignation of Dr. Chapman.

## MAY 10.

The President, Dr. RUSCHENBERGER, in the chair.

Twenty-eight persons present.

The deaths of Jos. S. Lovering, a member, and of Dr. James Lewis, of Mohawk, N. Y., a correspondent, were announced.

## MAY 17.

Mr. THOS. MEEHAN, Vice-President, in the chair.

Twenty-nine persons present.

The following papers were presented for publication:

"*Quercus rubra* L. var. *Texana*," by S. B. Buckley.

"*Quercus Durandii*," by S. B. Buckley.

"*Rhus cotinoides*," by S. B. Buckley.

## MAY 24.

The President, Dr. RUSCHENBERGER, in the chair.

Twenty-nine persons present.

A paper entitled "Revision of the Palæocrinoidea, Part II, Family Sphæroidocrinidæ, including the subfamilies Platycrinidæ, Rhodocrinidæ and Actinocrinidæ," by Charles Wachsmuth and Frank Springer, was presented for publication.

The death of Thos. A. Scott, a member, was announced.

*Sexual Characters in Fritillaria atropurpurea*, Nuttall.—Mr. THOMAS MEEHAN noticed the occurrence of separate male and hermaphrodite flowers in *Fritillaria atropurpurea*, cases of bi-

sexuality being rare in truly liliaceous plants. His specimens were from western Nevada, and the characters now noted were exhibited in 1880; but as the plant had only been received a short time before, the absence of female organs might be attributed to weakness, but observation this season shows it to be a normal condition.

The plant produced four spikes, flowering on the 15th of May. The spikes were 15, 14, 13, and 11 inches high, respectively, and had from twelve to fourteen narrow glaucous leaves each, and all of apparently equal strength. The tallest spike had but one perfect flower; another had the lowermost perfect, but with four others above, all purely staminate. The other two had three flowers each, all staminate. These staminate flowers had antlers as large and as polleniferous as the hermaphrodite ones, and the perianth seemed in every respect as perfect, the only difference being in the total absence of all traces of a gynœcium. It was evidently the normal condition of the species, which, by the way, seems to run closely into *Fritillaria parviflora*.

Mr. Meehan said the facts were interesting, as drawing still closer the well-known relationship of *Melanthiaceæ* and *Liliaceæ*. A tendency to diclinism had hitherto been supposed to be the special characteristic of the former order, although occasionally, as in *Asparagus*, there were indications of the same characteristics in *Liliaceæ* also.

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MAY 31.

The President, Dr. RUSCHENBERGER, in the chair.

Twenty-five members present.

A paper entitled "Observations on the Hippopotamus," by Henry C. Chapman, M. D., was presented for publication.

Alexander Biddle, M. D., W. Norton Whitney, M. D., and John G. Lea, M. D., were elected members.

Thomas T. Bouvé, of Boston, was elected a correspondent.

The following were ordered to be published :